

Mr. Roger Vintika  
Beaver Oil Company, Inc.  
6037 Lenzi Avenue  
Hodgkins, IL 60525

Re: 089-11714  
First Minor Permit Revision to  
MSOP 089-11714-00151

Dear Mr. Vintika:

Beaver Oil Company, Inc was issued a minor source operating permit on May 13, 1999 for recycling used lubricating oil. A letter requesting a revision to this permit was received on December 27, 1999. Pursuant to the provisions of 326 IAC 2-6.1-6 a minor permit revision to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of increasing the recycling capacity of the used lubricating oil from 25,000 gallons per day to 40,000 gallons per day. The source has also added the following ten(10) above ground storage tanks to increase its operating capacity:

- (a) Two(2) vertical fixed roof liquid storage tanks, identified as FP-2 and FP-3, for storing finished product oil with a maximum vapor pressure of 7.5 mm Hg (150 °F) and a maximum storage capacity of 630,000 gallons.
- (b) Two(2) vertical fixed roof liquid storage tanks, identified as FP-4 and FP-5, for storing finished product oil with a maximum vapor pressure of 7.5 mm Hg (150 °F) and a maximum storage capacity of 110,000 gallons.
- (c) Six (6) vertical fixed roof liquid storage tanks, identified as F-13 to F-17, for storing finished product oil with a maximum vapor pressure of 7.5 mm Hg (150 °F) and a maximum storage capacity of 25,000 gallons.

Pursuant to 326 IAC 2-6.1-6, the minor source operating permit shall be revised by incorporating the minor permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this permit revision which includes this letter, the attached operating conditions applicable to these emission units, and revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Shantanu Pahi, at OAM, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call (800) 451-6027, press 0 and ask for Shantanu Pahi or extension 3-0868, or dial (317) 233-0868.

Sincerely,

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Management

Attachments: Amended MSOP Pages(7 Pages.)

Spahi

cc: File - Lake County  
U.S. EPA, Region V  
Lake County Health Department  
Gary Air and Land Pollution Control  
Northwest Regional Office  
Air Compliance Section Inspector - Ramesh Tejuja  
Compliance Data Section - Karen Nowak  
Administrative and Development - Janet Mobley  
Technical Support and Modeling - Michele Boner

**NEW SOURCE CONSTRUCTION PERMIT  
and MINOR SOURCE OPERATING PERMIT  
OFFICE OF AIR MANAGEMENT  
and Gary Division of Air Pollution Control**

**Beaver Oil Company, Inc.  
1040 Michigan Street  
Gary, Indiana 46402**

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 089-10557-00151	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date: May 13,1999

Minor Permit RevisionNo.: 089-11714-00151	Pages Amended: 2, 3, 4, 5, 6, 21 and 22
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

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## SECTION A

## SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM) and the Gary Division of Air Pollution Control. The information describing the source contained in conditions A.1 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

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The Permittee owns and operates a lubricating oil recycling plant.

Authorized Individual:	Roger Vintika
Source Address:	1040 Michigan Street, Gary, Indiana 46402
Mailing Address:	6037 Lenzi Avenue, Hodgkins, Illinois 60525
Phone Number:	708-354-4040
SIC Code:	2992
County Location:	Lake
County Status:	Nonattainment for PM <sub>10</sub> , SO <sub>2</sub> and CO Severe nonattainment for ozone Attainment area for all other criteria pollutants
Source Status:	Minor Source Operating Permit Minor Source, under Emission Offset Rules

### A.2 Emissions units and Pollution Control Equipment Summary

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This stationary source is approved to construct and operate the following emissions units capable of processing a maximum of 40,000 gallons per day of raw material (lubricating oil and water):

- (a) one (1) Cleaver Brooks boiler with a maximum heat input rate of 8.37 million British thermal units per hour, designated Boiler-2, having the capacity to combust natural gas and No. 2 fuel oil;
- (b) five (5) 25,000 gallon vertical fixed roof liquid storage tanks, designated F5 through F9, storing finished product oil;
- (c) one (1) 20,000 gallon vertical fixed roof liquid storage tank, designated F10, storing No. 2 fuel oil;
- (d) one (1) 33,000 gallon vertical fixed roof liquid storage tank, designated F11, storing finished product oil;
- (e) one (1) 30,000 gallon vertical fixed roof liquid storage tank, designated F12, storing finished product oil;
- (f) one (1) 10,000 gallon vertical fixed roof liquid storage tank, designated S8, storing incoming raw material;
- (g) two (2) 10,000 gallon vertical fixed roof liquid storage tanks, designated T10 and T11, storing finished product oil;
- (h) two (2) 3,000 gallon horizontal fixed roof liquid storage tanks, designated AF1 and AF2, storing antifreeze (ethylene glycol); and

- (i) two (2) 5,000 gallon vertical fixed roof liquid storage tanks, designated BF1 and BF2, storing No. 2 fuel oil.

This stationary source is also approved to operate the following emissions units and pollution control devices:

- (j) one (1) Johnston boiler with a maximum heat input rate of 4.19 million British thermal units per hour, designated Boiler-1, having the capacity to combust natural gas and No. 2 fuel oil.
- (k) two (2) 15,275 gallon horizontal fixed roof liquid storage tanks, designated F1 and F2, storing finished product oil;
- (l) one (1) 25,000 gallon horizontal fixed roof liquid storage tank, designated F3, and one (1) 25,000 gallon vertical fixed roof liquid storage tank, designated F4, each storing finished product oil;
- (m) three (3) horizontal fixed roof liquid storage tanks, designated FP-1, FT-1 and FT-2, with capacities of 4894 gallons, 3854 gallons, and 4174 gallons, respectively, storing finished product oil;
- (n) three (3) vertical fixed roof liquid storage tanks, designated R1 through R3, with capacities of 3600 gallons, 3600 gallons, and 6017 gallons, respectively, for processing raw material;
- (o) five (5) 15,275 gallon horizontal fixed roof liquid storage tanks, designated S1 through S5, storing incoming raw material;
- (p) two (2) 4700 gallon vertical fixed roof liquid storage tanks, designated T1 and T2, for processing raw material;
- (q) three (3) 7050 gallon vertical fixed roof liquid storage tanks, designated T3 through T5, storing incoming raw material;
- (r) one (1) 7050 gallon vertical fixed roof liquid storage tank, designated T6, storing wash water;
- (s) one (1) 5325 gallon horizontal fixed roof liquid storage tank, designated T7, storing incoming raw material;
- (t) three (3) 5288 gallon vertical fixed roof liquid storage tanks, designated T8A, T8B and T9, storing incoming raw material;
- (u) one (1) 15,000 gallon vertical fixed roof liquid storage tank, designated T12, for processing raw material; and
- (v) one (1) Cleaver Brooks boiler with a maximum heat input rate of 2.9 million British thermal units per hour and having the capacity to combust No. 2 fuel oil.

This stationary source is also approved to operate the following unpermitted emissions units and pollution control devices:

- (w) Two(2) vertical fixed roof liquid storage tanks, identified as FP-2 and FP-3, for storing finished product oil with a maximum vapor pressure of 7.5 mm Hg (150 °F) and a maximum storage capacity of 630,000 gallons.

- (x) Two(2) vertical fixed roof liquid storage tanks, identified as FP-4 and FP-5, for storing finished product oil with a maximum vapor pressure of 7.5 mm Hg (150 °F) and a maximum storage capacity of 110,000 gallons.
- (y) Six (6) vertical fixed roof liquid storage tanks, identified as F-13 to F-17, for storing finished product oil with a maximum vapor pressure of 7.5 mm Hg (150 °F) and a maximum storage capacity of 25,000 gallons.



## **SECTION B GENERAL CONSTRUCTION CONDITIONS**

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1.1 AND 40 CFR 52.780, WITH CONDITIONS LISTED BELOW.

### **B.1 Permit No Defense [IC 13]**

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This permit to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

### **B.2 Definitions**

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Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, any applicable definitions found in IC 13-11, 326 IAC 1-2, and 326 IAC 2-1.1-1 shall prevail.

### **B.3 Effective Date of the Permit [IC13-15-5-3]**

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Pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.

### **B.4 Revocation of Permits [326 IAC 2-1.1-9(5)]**

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Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

### **B.5 Modification to Permit [326 IAC 2]**

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Notwithstanding Condition B.7, all requirements and conditions of this construction permit shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2 (Permit Review Rules).

### **B.6 Minor Source Operating Permit [326 IAC 2-6.1]**

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This document shall also become a minor source operating permit pursuant to 326 IAC 2-6.1 when, prior to start of operation, the following requirements are met:

- (a) The attached affidavit of construction shall be submitted to the Office of Air Management (OAM), Permit Administration & Development Section, verifying that the emissions units were constructed as proposed in the application. The emissions units covered in the New Source Construction Permit may begin operating on the date the affidavit of construction is postmarked or hand delivered to IDEM.
- (b) If construction is completed in phases; i.e., the entire construction is not done continuously, a separate affidavit must be submitted for each phase of construction. Any permit conditions associated with operation start up dates such as stack testing for New Source Performance Standards (NSPS) shall be applicable to each individual phase.
- (c) The Permittee shall receive an Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section and attach it to this document.
- (d) The operation permit will be subject to annual operating permit fees pursuant to 326 IAC 2-1.1-7(Fees).

- (e) Pursuant to 326 IAC 2-6.1-7, the Permittee shall apply for an operation permit renewal at least ninety (90) days prior to the expiration date established in the validation letter. If IDEM, OAM, and the Gary Division of Air Pollution Control, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied. The operation permit issued shall contain as a minimum the conditions in Section C and Section D of this permit.

#### B.7 Local Agency Requirement

That an application for an operation permit must be made ninety (90) days before start up to:

The Gary Division of Air Pollution Control  
Suite 1012  
504 Broadway  
Gary, Indiana 46402

The operation permit issued by the Gary Division of Air Pollution Control shall contain as a minimum the conditions in the Operation Conditions section of this permit.

#### B.8 NSPS Reporting Requirement

That pursuant to the New Source Performance Standards (NSPS), Part 60.110b, Subpart Kb, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

- (a) Commencement of construction date (no later than 30 days after such date);
- (b) Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
- (c) Actual start-up date (within 15 days after such date); and
- (d) Date of performance testing (at least 30 days prior to such date), when required by a condition elsewhere in this permit.

Reports are to be sent to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, IN 46206-6015

and

The Gary Division of Air Pollution Control  
Suite 1012  
504 Broadway  
Gary, Indiana 46402

The application and enforcement of these standards have been delegated to the IDEM, OAM. The requirements of 40 CFR Part 60 are also federally enforceable.

## SECTION C

## SOURCE OPERATION CONDITIONS

Entire Source
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### C.1 Emission Offset Minor Source Status [326 IAC 2-3]

Any change or modification which may increase potential to emit of VOC or NO<sub>x</sub> to 25 tons per year or increase potential to emit of any other criteria pollutant to 100 tons per year from this source, shall cause this source to be considered a major source under Emission Offset, 326 IAC 2-3, and shall require approval from IDEM, OAM prior to making the change.

### C.2 Preventive Maintenance Plan [326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) within ninety (90) days after issuance of this permit, including the following information on each emissions unit:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions;
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If due to circumstances beyond its control, the PMP cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

and

The Gary Division of Air Pollution Control  
Suite 1012  
504 Broadway  
Gary, Indiana 46402

- (b) The Permittee shall implement the Preventive Maintenance Plans as necessary to ensure that lack of proper maintenance does not cause or contribute to a violation of any limitation on emissions or potential to emit.
- (c) PMP's shall be submitted to IDEM, OAM, and the Gary Division of Air Pollution Control upon request and shall be subject to review and approval by IDEM, OAM, and the Gary Division of Air Pollution Control.

### C.3 Permit Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]

- (a) The Permittee must comply with the requirements of [326 IAC 2-6.1-6] whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

and

The Gary Division of Air Pollution Control  
Suite 1012  
504 Broadway  
Gary, Indiana 46402

Any such application should be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1.

- (c) The Permittee shall notify the OAM within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

C.4 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, the Permittee shall allow IDEM, OAM, the Gary Division of Air Pollution Control, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under this title or the conditions of this permit or any operating permit revisions;
- (c) Inspect, at reasonable times, any processes, emissions units (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit or any operating permit revisions;
- (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

- (1) The Permittee may assert a claim that, in the opinion of the Permittee, information removed or about to be removed from the source by IDEM, OAM, and the Gary Division of Air Pollution Control, or an authorized representative, contains information that is confidential under IC 5-14-3-4(a). The claim shall be made in writing before or at the time the information is removed from the source. In the event that a claim of confidentiality is so asserted, neither IDEM, OAM, the Gary Division of Air Pollution Control, nor an authorized representative, may disclose the information unless and until IDEM, OAM, and the Gary Division of Air Pollution Control makes a determination under 326 IAC 17-1-7 through 326 IAC 17-1-9 that the information is not entitled to confidential treatment and that determination becomes final. [IC 5-14-3-4; IC 13-14-11-3; 326 IAC 17-1-7 through 326 IAC 17-1-9]
- (2) The Permittee, IDEM, OAM, and the Gary Division of Air Pollution Control acknowledge that the federal law applies to claims of confidentiality made by the Permittee with regard to information removed or about to be removed from the source by U.S. EPA. [40 CFR Part 2, Subpart B]

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C.5 Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]  
Pursuant to [326 IAC 2-6.1-6(d)(3)] :

- (a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAM, Permits Branch and the Gary Division of Air Pollution Control, within thirty (30) days of the change.
- (b) The written notification shall be sufficient to transfer the permit to the new owner by an notice-only change pursuant to 326 IAC 2-6.1-6(d)(3).
- (c) IDEM, OAM, and the Gary Division of Air Pollution Control shall issue a revised permit.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

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C.6 Permit Revocation [326 IAC 2-1-9]

Pursuant to 326 IAC 2-1-9(a)(Revocation of Permits), this permit to construct and operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM and the Gary Division of Air Pollution Control, the fact that continuance of this permit is not consistent with purposes of this article.

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C.7 Opacity [326 IAC 5-1]

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Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor in a six (6) hour period.

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**C.8 Fugitive Dust Emissions [326 IAC 6-4]**

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

**Testing Requirements**

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**C.9 Performance Testing [326 IAC 3-6]**

- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing methods approved by IDEM, OAM.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

and

The Gary Division of Air Pollution Control  
Suite 1012  
504 Broadway  
Gary, Indiana 46402

no later than thirty-five (35) days prior to the intended test date. The Permittee shall submit a notice of the actual test date to the above address so that it is received at least two weeks prior to the test date.

- (b) All test reports must be received by IDEM, OAM and the Gary Division of Air Pollution Control within forty-five (45) days after the completion of the testing. An extension may be granted by the Commissioner, if the source submits to IDEM, OAM, a reasonable written explanation within five (5) days prior to the end of the initial forty-five (45) day period.

The documentation submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

## **Compliance Monitoring Requirements**

### **C.10 Compliance Monitoring [326 IAC 2-1.1-11]**

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Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment, no more than ninety (90) days after receipt of this permit. If due to circumstances beyond its control, this schedule cannot be met, the Permittee may extend the compliance schedule an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

and

The Gary Division of Air Pollution Control  
Suite 1012  
504 Broadway  
Gary, Indiana 46402

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date. The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

### **C.11 Maintenance of Monitoring Equipment [IC 13-14-1-13]**

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- (a) In the event that a breakdown of the monitoring equipment occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem. To the extent practicable, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less frequent than required in Section D of this permit until such time as the monitoring equipment is back in operation. In the case of continuous monitoring, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less than one (1) hour until such time as the continuous monitor is back in operation.
- (b) The Permittee shall install, calibrate, quality assure, maintain, and operate all necessary monitors and related equipment. In addition, prompt corrective action shall be initiated whenever indicated.

### **C.12 Monitoring Methods [326 IAC 3]**

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Any monitoring or testing performed to meet the applicable requirements of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, or other approved methods as specified in this permit.

**C.13 Actions Related to Noncompliance Demonstrated by a Stack Test**

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- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate corrective actions. The Permittee shall submit a description of these corrective actions to IDEM, OAM, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected emissions unit while the corrective actions are being implemented. IDEM, OAM shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM, OAM within thirty (30) days of receipt of the notice of deficiency. IDEM, OAM reserves the authority to use enforcement activities to resolve noncompliant stack tests.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAM that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAM may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the permit to operate the affected emissions unit.

The documents submitted pursuant to this condition do not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

**Record Keeping and Reporting Requirements**

**C.14 Malfunctions Report [326 IAC 1-6-2]**

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Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAM, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).



- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.15 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 1-6]

- (a) The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. This compliance monitoring plan is comprised of:
  - (1) This condition;
  - (2) The Compliance Determination Requirements in Section D of this permit;
  - (3) The Compliance Monitoring Requirements in Section D of this permit;
  - (4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and
  - (5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAM and the Gary Division of Air Pollution Control upon request and shall be subject to review and approval by IDEM, OAM, and the Gary Division of Air Pollution Control. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of :
    - (A) Response steps that will be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and
    - (B) A time schedule for taking such response steps including a schedule for devising additional response steps for situations that may not have been predicted.
- (b) For each compliance monitoring condition of this permit, appropriate response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to perform the actions detailed in the compliance monitoring conditions or failure to take the response steps within the time prescribed in the Compliance Response Plan, shall constitute a violation of the permit unless taking the response steps set forth in the Compliance Response Plan would be unreasonable.
- (c) After investigating the reason for the excursion, the Permittee is excused from taking further response steps for any of the following reasons:
  - (1) The monitoring equipment malfunctioned, giving a false reading. This shall be an excuse from taking further response steps providing that prompt action was taken to correct the monitoring equipment.

- (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied or;
  - (3) An automatic measurement was taken when the process was not operating; or
  - (4) The process has already returned to operating within "normal" parameters and no response steps are required.
- (d) Records shall be kept of all instances in which the compliance related information was not met and of all response steps taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

**C.16 Monitoring Data Availability [326 IAC 2-6.1-2] [IC 13-14-1-13]**

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- (a) With the exception of performance tests conducted in accordance with Section C-Performance Testing, all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.
- (b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.
- (c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.
- (d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.
- (e) At its discretion, IDEM and the Gary Division of Air Pollution Control may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter.
- (f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason for failure to perform the requirements stated in (a) above.

**C.17 General Record Keeping Requirements [326 IAC 2-6.1-2]**

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- (a) Records of all required monitoring data and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location for a minimum of three (3) years and available upon the request of an IDEM, OAM, and the Gary Division of Air Pollution Control representative. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner or the Gary Division of Air Pollution Control makes a written request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or the Gary Division of Air Pollution Control within a reasonable time.

- (b) Records of required monitoring information shall include, where applicable:
  - (1) The date, place, and time of sampling or measurements;
  - (2) The dates analyses were performed;
  - (3) The company or entity performing the analyses;
  - (4) The analytic techniques or methods used;
  - (5) The results of such analyses; and
  - (6) The operating conditions existing at the time of sampling or measurement.
- (c) Support information shall include, where applicable:
  - (1) Copies of all reports required by this permit;
  - (2) All original strip chart recordings for continuous monitoring instrumentation;
  - (3) All calibration and maintenance records;
  - (4) Records of preventive maintenance shall be sufficient to demonstrate that improper maintenance did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.
- (d) All record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.18 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

- (a) To affirm that the source has met all the compliance monitoring requirements stated in this permit the source shall submit a Semi-annual Compliance Monitoring Report. Any deviation from the requirements and the date(s) of each deviation must be reported. The Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

and

The Gary Division of Air Pollution Control

Suite 1012  
504 Broadway  
Gary, Indiana 46402

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, and the Gary Division of Air Pollution Control on or before the date it is due.
- (d) Unless otherwise specified in this permit, any semi-annual report shall be submitted within thirty (30) days of the end of the reporting period. The report does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) All instances of deviations as described in Section B- Deviations from Permit Requirements Conditions must be clearly identified in such reports. The Emergency/Deviation Occurrence Report does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (f) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.
- (g) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.

## SECTION D.1

## EMISSIONS UNIT OPERATION CONDITIONS

Two (2) boilers:

- (a) one (1) Johnston boiler with a maximum heat input rate of 4.19 million British thermal units per hour, designated Boiler-1, having the capacity to combust natural gas and No. 2 fuel oil.
- (b) one (1) Cleaver Brooks boiler with a maximum heat input rate of 8.37 million British thermal units per hour, designated Boiler-2, having the capacity to combust natural gas and No. 2 fuel oil.

### Emission Limitations and Standards

#### D.1.1 Particulate Matter Limitation (PM) [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4(a) (Particulate emission limitations for sources of indirect heating: emission limitations for facilities specified in 326 IAC 6-2-1(c)):

- (a) particulate emissions from Boiler-1 shall not exceed 0.60 pounds of particulate matter per million British thermal units heat input; and
- (b) particulate emissions from Boiler-2 shall not exceed 0.56 pounds of particulate matter per million British thermal units heat input.

### Compliance Determination Requirements

#### D.1.2 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test these emissions units by this permit. However, IDEM may require compliance testing when necessary to determine if the emissions unit(s) is in compliance. If testing is required by IDEM or the Gary Division of Air Pollution Control, compliance with the particulate matter limit specified in Condition D.1.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

### Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [ 326 IAC 2-6.1-5(a)(2)]

#### D.1.3 Visible Emissions Notations

- (a) Daily visible emission notations of the boiler stack exhausts shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

### Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [ 326 IAC 2-6.1-5(a)(2)]

#### D.1.4 Record Keeping Requirements

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- (a) To document compliance with Condition D.1.3, the Permittee shall maintain records of daily visible emission notations of the boiler stack exhausts.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

## SECTION D.2

## EMISSIONS UNIT OPERATION CONDITIONS

Forty-one (41) liquid storage tanks:

- (a) five (5) 25,000 gallon vertical fixed roof liquid storage tanks, designated F5 through F9, storing finished product oil;
- (b) one (1) 20,000 gallon vertical fixed roof liquid storage tank, designated F10, storing No. 2 fuel oil;
- (c) one (1) 33,000 gallon vertical fixed roof liquid storage tank, designated F11, storing finished product oil;
- (d) one (1) 30,000 gallon vertical fixed roof liquid storage tank, designated F12, storing finished product oil;
- (e) one (1) 10,000 gallon vertical fixed roof liquid storage tank, designated S8, storing incoming raw material;
- (f) two (2) 10,000 gallon vertical fixed roof liquid storage tanks, designated T10 and T11, storing finished product oil;
- (g) two (2) 3,000 gallon horizontal fixed roof liquid storage tanks, designated AF1 and AF2, storing antifreeze (ethylene glycol);
- (h) two (2) 5,000 gallon vertical fixed roof liquid storage tanks, designated BF1 and BF2, storing No. 2 fuel oil.
- (i) two (2) 15,275 gallon horizontal fixed roof liquid storage tanks, designated F1 and F2, storing finished product oil;
- (j) one (1) 25,000 gallon horizontal fixed roof liquid storage tank, designated F3, and one (1) 25,000 gallon vertical fixed roof liquid storage tank, designated F4, each storing finished product oil;
- (k) three (3) horizontal fixed roof liquid storage tanks, designated FP-1, FT-1 and FT-2, with capacities of 4894 gallons, 3854 gallons, and 4174 gallons, respectively, storing finished product oil;
- (l) three (3) vertical fixed roof liquid storage tanks, designated R1 through R3, with capacities of 3600 gallons, 3600 gallons, and 6017 gallons, respectively, for processing raw material;
- (m) five (5) 15,275 gallon horizontal fixed roof liquid storage tanks, designated S1 through S5, storing incoming raw material;
- (n) two (2) 4700 gallon vertical fixed roof liquid storage tanks, designated T1 and T2, for processing raw material;
- (o) three (3) 7050 gallon vertical fixed roof liquid storage tanks, designated T3 through T5, storing incoming raw material;
- (p) one (1) 7050 gallon vertical fixed roof liquid storage tank, designated T6, storing wash water; and
- (q) one (1) 5325 gallon horizontal fixed roof liquid storage tank, designated T7, storing incoming raw material;
- (r) three (3) 5288 gallon vertical fixed roof liquid storage tanks, designated T8A, T8B and T9, storing incoming raw material;
- (s) one (1) 15,000 gallon vertical fixed roof liquid storage tank, designated T12, for processing raw material;
- (t) Two(2) vertical fixed roof liquid storage tanks, identified as FP-2 and FP-3, for storing finished product oil with a maximum vapor pressure of 7.5 mm Hg (150 °F) and a maximum storage capacity of 630,000 gallons;
- (u) Two(2) vertical fixed roof liquid storage tanks, identified as FP-4 and FP-5, for storing finished product oil with a maximum vapor pressure of 7.5 mm Hg (150 °F) and a maximum storage capacity of 110,000 gallons;
- (v) Six (6) vertical fixed roof liquid storage tanks, identified as F-13 to F-17, for storing finished product oil with a maximum vapor pressure of 7.5 mm Hg (150 °F) and a maximum storage capacity of 25,000 gallons

## **Record Keeping and Reporting Requirement [326 IAC 2-5.1-3(e)(2)] [ 326 IAC 2-6.1-5(a)(2)]**

### **D.2.1 Volatile Liquid Storage Tanks [326 IAC 12]**

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Pursuant to New Source Performance Standard (NSPS), 326 IAC 12 (40 CFR Part 60.116b only, Subpart Kb), the permittee shall maintain accessible records for the following liquid storage tanks: F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, S1, S2, S3, S4, S5, T12, FP-2, FP-3, FP-4, FP-5, F-13, F-14, F-15, F-16, F17 and F-18. These records shall include the dimension of the storage vessels and an analysis showing the capacity of the storage vessels. These records shall be kept for the life of the storage tanks.

### **D.2.2 Record Keeping and Reporting Requirements [326 IAC 8-9-6]**

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- (a) The owner or operator of the tanks F-13, F-14, F-15, F-16, F17 and F-18 shall keep all records required by this section for three (3) years unless specified otherwise. Records required by subsection (b) shall be maintained for the life of the vessel.
- (b) The owner or operator of the tanks identified as F-13, F-14, F-15, F-16, F17 and F-18 shall maintain a record and submit to the department a report containing the following information for each vessel:
  - (1) The vessel identification number.
  - (2) The vessel dimensions.
  - (3) The vessel capacity.



**MALFUNCTION REPORT**

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
FAX NUMBER - 317 233-5967**

**This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6  
and to qualify for the exemption under 326 IAC 1-6-4.**

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE: IT HAS POTENTIAL TO EMIT 25 LBS/HR PARTICULATES ? \_\_\_\_\_, 100 LBS/HR VOC ? \_\_\_\_\_, 100 LBS/HR SULFUR DIOXIDE ? \_\_\_\_\_ OR 2000 LBS/HR OF ANY OTHER POLLUTANT ? \_\_\_\_\_ EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION \_\_\_\_\_.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC \_\_\_\_\_ OR, PERMIT CONDITION # \_\_\_\_\_ AND/OR PERMIT LIMIT OF \_\_\_\_\_

THIS INCIDENT MEETS THE DEFINITION OF 'MALFUNCTION' AS LISTED ON REVERSE SIDE ?    Y        N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ?    Y        N

COMPANY: \_\_\_\_\_ PHONE NO. (    ) \_\_\_\_\_

LOCATION: (CITY AND COUNTY) \_\_\_\_\_

PERMIT NO. \_\_\_\_\_ AFS PLANT ID: \_\_\_\_\_ AFS POINT ID: \_\_\_\_\_ INSP: \_\_\_\_\_

CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: \_\_\_\_\_

DATE/TIME MALFUNCTION STARTED: \_\_\_\_/\_\_\_\_/19\_\_\_\_        AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: \_\_\_\_\_

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE \_\_\_\_/\_\_\_\_/19\_\_\_\_        AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO<sub>2</sub>, VOC, OTHER: \_\_\_\_\_

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: \_\_\_\_\_

MEASURES TAKEN TO MINIMIZE EMISSIONS: \_\_\_\_\_

**REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:**

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL \* SERVICES: \_\_\_\_\_

CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: \_\_\_\_\_

CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: \_\_\_\_\_

INTERIM CONTROL MEASURES: (IF APPLICABLE) \_\_\_\_\_

MALFUNCTION REPORTED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

**Please note - This form should only be used to report malfunctions  
applicable to Rule 326 IAC 1-6 and to qualify for  
the exemption under 326 IAC 1-6-4.**

**326 IAC 1-6-1                      Applicability of rule**

Sec. 1. The requirements of this rule (326 IAC 1-6) shall apply to the owner or operator of any facility which has the potential to emit twenty-five (25) pounds per hour of particulates, one hundred (100) pounds per hour of volatile organic compounds or SO<sub>2</sub>, or two thousand (2,000) pounds per hour of any other pollutant; or to the owner or operator of any facility with emission control equipment which suffers a malfunction that causes emissions in excess of the applicable limitation.

**326 IAC 1-2-39                      “Malfunction” definition**

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. (Air Pollution Control Board; 326 IAC 1-2-39; filed Mar 10, 1988, 1:20 p.m. : 11 IR 2373)

**\*Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

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**Indiana Department of Environmental Management  
Office of Air Management**

Technical Support Document (TSD) for a *Minor Permit Revision* to a *Minor Source Operating Permit*

**Source Background and Description**

<b>Source Name:</b>	<b><i>Beaver Oil Company, Inc.</i></b>
<b>Source Location:</b>	<b><i>1040 Michigan Street, Gary, Indiana 46402</i></b>
<b>County:</b>	<b><i>Lake</i></b>
<b>SIC Code:</b>	<b><i>2992</i></b>
<b>Operation Permit No.:</b>	<b><i>089-10557-00151</i></b>
<b>Operation Permit Issuance Date:</b>	<b><i>May 13, 1999</i></b>
<b>Permit Revision No.:</b>	<b><i>089-11714-00151</i></b>
<b>Permit Reviewer:</b>	<b><i>Spahi</i></b>

The Office of Air Management (OAM) has reviewed a modification application from Beaver Oil Company, Inc. relating to the operation of the following unpermitted emission units and pollution devices:

- (a) Two(2) vertical fixed roof liquid storage tanks, identified as FP-2 and FP-3, for storing finished product oil with a maximum vapor pressure of 7.5 mm Hg (150 °F) and a maximum storage capacity of 630,000 gallons.
- (b) Two(2) vertical fixed roof liquid storage tanks, identified as FP-4 and FP-5, for storing finished product oil with a maximum vapor pressure of 7.5 mm Hg (150 °F) and a maximum storage capacity of 110,000 gallons.
- (c) Six (6) vertical fixed roof liquid storage tanks, identified as F-13 to F-17, for storing finished product oil with a maximum vapor pressure of 7.5 mm Hg (150 °F) and a maximum storage capacity of 25,000 gallons.

**History**

On December 27, 1999, Beaver Oil Company, Inc. submitted an application to the OAM requesting to add additional above ground vertical fixed roof storage tanks, so that the source can increase its operating capacity of processing used lubricating oil from 25,000 gallons per day to 40,000 gallons per day. Beaver Oil Company, Inc. was issued a minor source operating permit(MSOP) on May 13, 1999.

## Enforcement Issue

- (a) IDEM is aware that equipment has been constructed and operated prior to receipt of the proper permit. The subject equipment is listed in this Technical Support Document under the condition entitled Unpermitted Emission Units and Pollution Control Equipment.
- (b) IDEM is reviewing this matter and will take appropriate action. This proposed permit is intended to satisfy the requirements of the construction permit rules.

## Recommendation

The staff recommends to the Commissioner that the Minor Permit Revision be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on December 27, 1999.

## Emission Calculations

The volatile organic compounds emissions from the existing tanks previously covered under MSOP 089-10557-00151 have been revised because of the actual lab VOC emissions tests done by the source. This change in VOC emissions from the existing and unpermitted tanks also includes the increase of the operating capacity of the whole source from 25,000 gallons of day to 40,000 gallons of day. This revised emissions will decrease the predicted VOC emissions from 7.2 tons VOC/yr to 5.44 tons of VOC/yr and the total VOC emissions from all the tanks including the unpermitted tanks and from the increased operating capacity of the whole source will be 6.26 tons of VOC/yr. The calculations submitted by the applicant have been verified and found to be accurate and correct. These calculations were not attached to this document because the source has requested to keep this information confidential.

## Potential To Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA.”

Pollutant	Potential To Emit (tons/year)
PM	0.0
PM-10	0.0
SO <sub>2</sub>	0.0
VOC	0.82
CO	0.0
NO <sub>x</sub>	0.0

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

HAP's	Potential To Emit (tons/year)
Benzene	0.17
TOTAL	0.17

### Justification for Revision

This MSOP permit is being modified through a MSOP minor source permit revision. This revision being performed pursuant to 326 IAC 2-6.1-6(g)(6) even though the potential to emit of the volatile organic compounds (VOCs) is less than five(5) tons per year because New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60.110b) is applicable to the new storage tanks.

### County Attainment Status

The source is located in Lake County.

Pollutant	Status
PM-10	Moderate Nonattainment
SO <sub>2</sub>	Primary Nonattainment
NO <sub>2</sub>	Severe Nonattainment
Ozone	Severe Nonattainment
CO	Attainment
Lead	Attainment

- (a) Volatile organic compounds (VOC) and oxides of nitrogen (NO<sub>x</sub>) are precursors for the formation of ozone. Therefore, VOC and NO<sub>x</sub> emissions are considered when evaluating the rule applicability relating to the ozone standards. Lake County has been designated as nonattainment for ozone. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.
- (b) Lake County has been classified as nonattainment for SO<sub>2</sub>. Therefore, these emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.
- (c) This source is located in an area classified as primary nonattainment for SO<sub>2</sub>(portions only) and attainment for CO(portions only).

### Source Status

Existing Source PSD or Emission Offset Definition (emissions after controls, based upon 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/year)
PM	2.0
PM-10	2.0
SO <sub>2</sub>	43.6
VOC	7.2*
CO	6.6
NO <sub>x</sub>	12.2

\* The revised VOC emissions from the existing tanks is 5.44 tons of VOC/yr.

- (a) This existing source is not a major stationary source because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the 28 listed source categories.
- (b) These emissions are based upon past permit(MSOP) issued to this source. The VOC emissions source have been revised due to new data.

### Potential to Emit of Modification After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls. The control equipment is considered federally enforceable only after issuance of this Part 70 source modification.

	Potential to Emit (tons/year)						
Process/facility	PM	PM-10	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
Ten Tanks	0.0	0.0	0.0	0.82	0.0	0.0	0.17*
Total	0.0	0.0	0.0	0.82	0.0	0.0	0.17*

\* Benzene is the only HAP

This modification to an existing minor stationary source is not major because the emission increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, and 40 CFR 52.21, the PSD requirements do not apply.

### Federal Rule Applicability

- (a) The tanks identified as FP-2 to FP-5 and F-13 to F-18 are subject to the New Source Performance Standard, 326 IAC 12, (40 CFR 60.116b, Subpart Kb). Pursuant to 40 CFR 60.116b, the owner or operator of the tanks identified as #143 and #144 shall monitor each tank for the following:
  - (i) The owner or operator of each storage vessel as specified as 40 CFR 60.110b (a ) and (c) shall keep copies of all records required by this section (a), except for the record required by (ii) of this section (a), for at least 2 years. The record required by (ii) of this section (a) will be kept for the life of the source.
  - (ii) The owner or operator of each storage vessel as specified as 40 CFR 60.110b (a ) and (c) shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR art 63) applicable to this source.

### State Rule Applicability - Individual Facilities

**326 IAC 8-4-3 (Petroleum liquid storage facilities)**

The tanks identified as FP-2,FP-3, FP-4 and FP-5 are not subject to this rule because even though the capacity of each of these tanks is greater than thirty-nine thousand (39,000) gallons but the true vapor pressure of volatile organic liquid (VOL) is less than 10.5 kPa(1.52 psi). The tanks identified as F-13, F-14, F-15, F-16,F-17 and F-18 are not subject to this rule because the capacity of each of these tanks is less than thirty-nine thousand (39,000) gallons. Therefore, 326 IAC 8-4-3 does not apply.

**326 IAC 8-9-4(Volatile Organic Liquid Storage Vessels)**

On and after October 1, 1995, 326 IAC 8-9 applies to all stationary vessels used to store volatile organic liquids (VOL) that are located in Clark, Floyd, Lake or Porter County. Even though the storage capacity of the tanks FP-2,FP-3, FP-4 and FP-5 is greater than thirty-nine thousand (39,000) gallons, the maximum true vapor pressure of the volatile organic liquid (VOL) is less than seventy-five hundredths (0.75) pound per square inch absolute (psia). Therefore, 326 IAC 8-9-4 does not apply.

**326 IAC 8-9-6(Volatile Organic Liquid Storage Vessels)**

On and after October 1, 1995, 326 IAC 8-9 applies to all stationary vessels used to store volatile organic liquids (VOL) that are located in Clark, Floyd, Lake or Porter County. The storage capacity of the tanks F-13 to F-18 is less than thirty-nine thousand (39,000) gallons and the owner or operator of these tanks shall keep records for three (3) years unless specified otherwise. The records required by (i) shall be maintained for the life of the vessel.

- (i) The owner or operator of the tanks F-13 to F-18 shall maintain records and submit to the department a report containing the following information for each tank:
  - (a) The tank identification number.
  - (b) The tank dimensions.
  - (c) The tank capacity.

**Conclusion**

The operation of the tanks identified as FP-2, FP-3, FP-4, FP-5, F-13, F-14, F-15, F-16, F-17 and F-18 shall be subject to the conditions of the attached proposed minor permit revision Permit No. 089-11714-00151.